PATENT COOPERA	
•	PCT LOWING DAY
From the INTERNATIONAL SEARCHING AUTHORITY	PCT
To: STROZIER, Robert W. P.O. Box 429 Bellaire TX 77402 UNITED STATES OF AMERICA APP 200	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OF THE DECLARMION (PCT Rule 44.1)
	Date of mailing (day/month/year) 07/04/2005
Applicant's or agent's file reference	
96605/32PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.	International filing date
PCT/US2004/038808	(day/month/year) 19/11/2004
Applicant	
THE UNIVERSITY OF HOUSTON SYSTEM	

The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. International Bureau of WIPO, 34 chemin des Colombettes Where? Directly to the 1211 Geneva 20, Switzerland, Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication. The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk

Guide, Volume II, National Chapters and the WIPO Internet site.

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Fax: (+31-70) 340-3016

Authorized officer

José-Antonio Almalé Murillo

months.

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendents of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added.
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide

PATENT COOPERATION TREATY

PCT.

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220
96605/32PCT	ACTION		as, where applicable, item 5 below.
International application No.	International filing date (day/mont	h/year)	(Earliest) Priority Date (day/month/year)
PCT/US2004/038808	19/11/2004		20/11/2003
Applicant			
			·
THE UNIVERSITY OF HOUSTON	SYSTEM		
This International Search Report has been according to Article 18. A copy is being tra			hority and is transmitted to the applicant
This International Search Report consists	of a total of sh	eets.	
X It is also accompanied by	a copy of each prior art document	ited in this	report.
	international search was carried ou ess otherwise indicated under this i		sis of the international application in the
The international this Authority (Ru		of a transl	ation of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid sequence	disclosed	in the international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).		
3. Unity of invention is lac	king (see Box III).		•
4. With regard to the title,			
X the text is approved as su	bmitted by the applicant.		
the text has been establis	hed by this Authority to read as follo	ows:	
·			
5. With regard to the abstract,			
X the text is approved as su	• • • • • • • • • • • • • • • • • • • •	hia Authori	ity as it appears in Pay No. IV. The applicant
			ity as it appears in Box No. IV. The applicant ch report, submit comments to this Authority.
6. With regard to the drawings,			•
a. the figure of the drawings to be p	published with the abstract is Figure	No. <u>1</u>	
X as suggested by			•
	s Authority, because the applicant t		
	s Authority, because this figure bet a published with the abstract	er cnaracte	enzes the invention.
b none of the figures is to b	e published with the abstract.		

INTER. TIONAL SEARCH REPORT

International Application No PCT/US2004/038808

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C02F3/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC\ 7\ C02F$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, COMPENDEX, INSPEC, WPI Data, PAJ

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DIAZ MARIA PIEDAD ET AL: "Isolation and characterization of novel hydrocarbon-degrading euryhaline consortia from crude oil and mangrove sediments" MARINE BIOTECHNOLOGY (NEW YORK), vol. 2, no. 6, November 2000 (2000-11), pages 522-532, XP002321748 ISSN: 1436-2228 page 524, right-hand column	1-13
X	US 6 214 607 B1 (LOGAN BRUCE E) 10 April 2001 (2001-04-10)	14-26
Υ	column 8, line 10 - column 10, line 35	27-30
Y	US 6 066 257 A (VENKATESH ET AL) 23 May 2000 (2000-05-23) column 3 - column 5; claims 1-10; figure 1	27-30
_	-/	

X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
21 March 2005	07/04/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Glod, G

INTER. TIONAL SEARCH REPORT

International Application No
PCT/US2004/038808

C (Continuation) DOCIMENTS CONSIDERED TO BE BEI EVANT		
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category ° Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A XU JIANLIN ET AL: "Microbial degradation of perchlorate: Principles and applications." ENVIRONMENTAL ENGINEERING SCIENCE, vol. 20, no. 5, September 2003 (2003-09), pages 405-422, XP002321749 ISSN: 1092-8758 page 415, paragraph R - page 416, last paragraph	1-30	
OKEKE BENEDICT C ET AL: "Reduction of perchlorate and nitrate by salt tolerant bacteria" ENVIRONMENTAL POLLUTION, vol. 118, no. 3, 2002, pages 357–363, XP002321750 ISSN: 0269-7491 cited in the application page 358, right-hand column – page 359, right-hand column	1-30	

INTERL JONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2004/038808

Patent family member(s) Publication date Publication Patent document cited in search report date 10-04-2001 NONE US 6214607 **B**1 2782076 A1 23-05-2000 FR 11-02-2000 US 6066257 Α 2340113 A ,B GB 16-02-2000

HATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) 20.11.2003 PCT/US2004/038808 19.11.2004 International Patent Classification (IPC) or both national classification and IPC C02F3/28 Applicant THE UNIVERSITY OF HOUSTON SYSTEM This opinion contains indications relating to the following items: ☑ Box No. I Basis of the opinion **Priority** ☐ Box No. II ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement ☐ Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA: **Authorized Officer**

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Additionized Office

Glod, G

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY



Wedness were to 12 MAY 2006

_	Box N	o. I Basis of the opinion
1.		egard to the language , this opinion has been established on the basis of the international application in aguage in which it was filed, unless otherwise indicated under this item.
	la	his opinion has been established on the basis of a translation from the original language into the following nguage , which is the language of a translation furnished for the purposes of international search under Rules 12.3 and 23.1(b)).
2.	With reneces	egard to any nucleotide and/or amino acid sequence disclosed in the international application and sary to the claimed invention, this opinion has been established on the basis of:
	a. type	e of material:
		a sequence listing
		table(s) related to the sequence listing
	b. forn	nat of material:
		in written format
		in computer readable form
	c. time	e of filing/furnishing:
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.	h: Co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as oppropriate, were furnished.
4.	Additio	onal comments:

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

24, 26-30

No: Claims

1-23, 25

Inventive step (IS)

Yes: Claims

No: Claims

1-30

Industrial applicability (IA)

Yes: Claims

1-30

No: Claims

2. Citations and explanations

see separate sheet

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)



Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following documents:

D1: DIAZ MARIA PIEDAD ET AL: MARINE BIOTECHNOLOGY (NEW YORK), vol.

2, no. 6, November 2000 (2000-11), XP002321748

D2: US-B-6214607 D3: US-A-6066257

2. The subject-matter of claims 1-23 and 25 does not fulfill the requirements of Article 33(2) PCT (Novelty).

- 2a. D1 discloses biodegradation experiments done in artificial seawater (page 524, right-hand column) and anticipates the novelty of the subject-matter of claims 1-13 of the application. The novelty of the subject-matter of claims 1-13 of the present application is also anticipated by seawater since seawater contains all the features of said claims.
- 2b. D2 discloses the degradation of perchlorate in a 1% wastewater sample incubated in crimp-top serum bottles that are purged with N₂-gas (column 8, lines 25-30). Since the expression "brine" is not well-defined, but only means a salt-containing solution, the incubated suspension is considered as brine. In addition the divalent to monovalent cation mole ratio is surely greater than 0.05 since the suspension is based on wastewater. Therefore D2 anticipates the novelty of the subject-matter of claims 14-23 and 25 of the present application.
- 3. The subject-matter of claims 24 and 26-30 does not fulfill the requirements of Article 33(3) PCT (Inventive step).
- 3a. D3 discloses a process for the removal and destruction of perchlorate and nitrate ions from an ion-exchange regenerate brine (claim 1, column 3, lines 18-23). The only difference of the subject-matter of independent claims 27 and 29 of the present application with D3 is the adjustment of the divalent to monovalent cation mole ratio.

The alleged problem to be solved is to degrade perchlorate faster.

Although the examples given in the application show that the adjustment of the divalent to monovalent cation mole ratio leads to a faster perchlorate degradation, this effect is only shown for brines containing high concentrations of sodium chloride and is not illustrated for brines having high concentrations of other regenerants such as potassium sulfate. In addition the effect is only achieved within a limited range (see figure 5 and paragraph 101). The scope of the claim is not limited to certain concentrations of sodium chloride, but encompasses any concentrations of salt. Therefore the alleged problem is not solved over the whole range and the problem has to be redefined.

The objective problem is therefore to find an alternative treatment method. D2 discloses the treatment of perchlorate at low salt concentrations and at divalent to monovalent cation mole ratios of >0.05. Therefore the subject-matter of claims 27 and 29 lacks an inventive step.

In conclusion an inventive step cannot be recognized since the effect shown in the application is not supported over the whole range claimed.

3b. Dependent claims 24, 26, 28 and 30 do not appear to contain any additional features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT with respect to inventive step, said features being either known from D3 or conventional in the field of perchlorate degradation.

Re Item VII

Certain defects in the international application

4. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in D3 is not mentioned in the description, nor is this document identified therein.

Re Item VIII

Certain observations on the international application

5. The subject-matter of claims 14, 27 and 29 is unclear (Article 6 PCT) since essential features are missing: from the description it seems that the application relates to

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/US2004/038808

brines having a salinity of 3% or more. In addition it seems essential that the pollutant is the electron acceptor to wit nitrate or perchlorate; there is no indication that the effect is also achieved if a pollutant would be fermented.

Continuation of Form PCT/IB/301

NOTIFICATION OF RECEIPT OF RECORD COPY

Date of mailing (day/month/year)	IMPORTANT NOTIFICATION
01 February 2005 (01.02.2005)	·
Applicant's or agent's file reference	International application No.
96605/32PCT	PCT/US2004/038808
ATTENTION	
and the indications in the international application, t	ring in this Notification. In case of any discrepancy between these dat the applicant should immediately inform the International Bureau.
In addition, the applicant's attention is drawn to the	
	see updated important information (as of April 2002)
X requirements regarding priority documents (i	
A copy of this Notification is being sent to the receiving C	Office and to the International Searching Authority.
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INFORMATION ON TIME LIMITS FOR ENTERING THE NATIONAL PHASE

The applicant is reminded that the "national phase" must be entered before each of the designated Offices indicated on the cover sheet of this Notification by paying national fees and furnishing translations, as prescribed by Articles 22 and 39 and the applicable national laws. In addition, the applicant may also have to comply with other special requirements applicable in certain Offices. It is the applicant's responsibility to ensure the necessary steps to enter the national phase are taken in a timely fashion. Most Offices do not issue reminders to applicants in connection with the entry into the national phase.

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of 19 months from the priority date (see Article 39(1)), but also in respect of any designated Office, in the absence of filing of such demand, where Article22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see PCT Gazette No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the PCT Newsletter, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the PCT Gazette("Section IV" part published on a weekly basis), to the PCT Newsletter (on a monthly basis) and to the relevant National Chapters in Volume II of the PCT Applicant's Guide (the paper version of which is updated usually twice a year and the Internet version of which is updated usually on a weekly basis). Finally, a cumulative table of all applicable time limits for entering the national phase is available from WIPO's Internet site, via links from various pages the site including those of the Gazette, Newsletter and Guide, at http://www.wipo.int/pct/en/index.html.

Information about the requirements for filing a demand for international preliminary examination is set out in the PCT Applicant's Guide, Volume I/A, Chapter IX. Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

REQUIREMENTS REGARDING PRIORITY DOCUMENTS

For applicants who have not yet complied with the requirements regarding priority documents, the following is recalled.

Where the priority of an earlier national, regional or international application is claimed, the applicant must submit a copy of the said earlier application, certified by the authority with which it was filed ("the priority document") to the receiving Office (which will transmit it to the International Bureau) or directly to the International Bureau, before the expiration of 16 months from the priority date, provided that any such priority document may still be submitted to the International Bureau before that date of international publication of the international application, in which case that document will be considered to have been received by the International Bureau on the last day of the 16-month time limit (Rule 17.1(a)).

Where the priority document is issued by the receiving Office, the applicant may, instead of submitting the priority document, request the receiving Office to prepare and transmit the priority document to the International Bureau. Such request must be made before the expiration of the 16-month time limit and may be subjected by the receiving Office to the payment of a fee (Rule 17.1(b)).

If the priority document concerned is not submitted to the International Bureau or if the request to the receiving Office to prepare and transmit the priority document has not been made (and the corresponding fee, if any, paid) within the applicable time limit indicated under the preceding paragraphs, any designated State may disregard the priority claim, provided that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within the time limit which is reasonable under the circumstances (Rule 17.1(c)).

Where several priorities are claimed, the priority date to be considered for the purposes of computing the 16-month time limit (and all other PCT time limits) is the filing date of the earliest application whose priority is claimed (Article 2(xi)(b)).